

Dimock Groundwater Site – Summary of Lab Efforts

1/10/2012

Analytical Parameters

Table 1 from Sampling Plan is complete. Latest version is on I: directory

R3 lab – Metals, VOAs, SVOCs, Anions, TP, NO₂/NO₃, TDS/TSS, Alk, Glycols, Alcohols, O&G

R3 lab – After review of TestAmerica results the alcohols (including ethylene glycol and 2-methoxyethanol) will be analyzed primarily by SW-846 8015B. The QL is 10ppm. LC/MS/MS is not amenable for ethylene glycol and 2-methoxyethanol (ppb); Assessing GC/MS (SVOCs) to add 1-methylnaphthalene

R9 lab – GRO/DRO, dissolved gases (methane/ethane)

R2 lab – MBAS

R6 lab – backup and tech assistance for alcohols

NAREL – Rad; Rn222 removed from list

Techlaw/T4 – micro, ISOTECH methods

Glycol/Alcohol Issues

LC/MS/MS – cannot see ethylene glycol or 2-methoxyethanol. Since previous results were in the ppm range, 8015 can be used

GC/FTIR – 8430 requires specialized equipment currently not available, Sue investigating purchase of specialized cell for waters

GC/FID – method 8015 – Adam has tested ethylene glycol and 2-methoxyethanol. Confirmation column needed for 2-methoxyethanol; possibly use GC/MS as confirmation

GC/MS – 1-methylnaphthalene standard being ordered. Eric is testing to see if can run as 8270. Eric is also shooting a standard for 2-methoxyethanol on Monday. Extra acrylonitrile std for VOAs ordered. Still waiting on standards.

Data/Reporting

Need to discuss with Rich the data/reporting needs. We are prepared to generate SEDD deliverables which would be consistent for all labs.

Would like R3 lab to be the hub for regional lab support – central location for data packages and communication; samples can be shipped directly to labs by field contractor; contact and address information being compiled today.

Coolers/Bottles

R3 lab can provide some coolers to use for this project but probably don't have enough supply of bottles without further purchases.

Analytical Request/Logistics

ARF received from TechLaw. LB/TSB working on individual DAS assignments; Stevie working to clarify Table 1 information (bottle size for O&G, Total P screening info)

Kevin is working on clarifying Table 1 to document which methods are accredited and on-demand.

Stevie is compiling lab contact and address information for shipping.

Revised Sampling Plan is being requested.

Related News Articles

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